IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
	:	Examiner: C. Dickerson
MASATO FUKUDA	)	
	:	Art Unit: 2625
Application No.: 10/660,651	)	
	:	Confirmation No.: 7558
Filed: September 12, 2003	)	
	:	
For: INFORMATION PROCESSING	)	
APPARATUS, A FUNCTION	:	
EXTENSION PROGRAM,	)	
COMPUTER READABLE	:	
STORAGE MEDIUM STORING	)	
THE PROGRAM, AND	:	
INFORMATION PROCESSING	)	
METHOD	:	April 21, 2011

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO NOTIFOCATION OF NON-COMPLIANT APPEAL BRIEF

Sir:

In response to the Notification of Non-Compliant Appeal Brief dated

March 21, 2011, submitted herewith are corrected portions of Appellant's Brief On Appeal

filed March 16, 2011.

REMARKS

The Notification alleged that the Appellant's Brief On Appeal did not contain a concise explanation of the subject matter defined in each of the independent claims. In response, Appellant submits herewith a corrected "SUMMARY OF CLAIMED SUBJECT MATTER" to be substituted for the "SUMMARY OF CLAIMED SUBJECT MATTER" in Appellant's Brief on Appeal.

The Notification further alleged that Appellant's Brief On Appeal did not contain a correct copy of the appealed claims. In response, Appellant submits herewith a corrected "CLAIMS APPENDIX" to be substituted for the "CLAIMS APPENDIX" in Appellant's Brief on Appeal.

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CONCLUSION

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Any fees believed to be due are being paid concurrently herewith. The Director is hereby authorized to credit any fee overpayment, or charge any fee underpayment, to Deposit Account No. 06-1205.

Applicant's undersigned attorney may be reached in our Costa Mesa, CA office at (714) 540-8700. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,

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(5)   SUMMARY OF CLAIMED SUBJECT MATTER

In accordance with MPEP § 1205.02, elements recited in the claims are identified below with corresponding exemplary elements described in the specification. However, it should be understood that the claimed elements are not limited to the embodiment discussed below, or to the embodiments described in the specification.

Independent Claims 14, 16 and 17 generally concern caching and managing image data downloaded from a server device for use in processing subsequent print jobs. According to one aspect of the claims, a plurality of image data is designated to be printed among image data stored in the server device in response to a user operation. The designated image data is then downloaded from the server device, and a cache memory caches the downloaded image data. When a plurality of image data is newly designated, image data which is not successively designated as image data to be printed is deleted from the cache memory, and image data which is successively designated is not deleted from the cache memory. The newly designated image data is then downloaded to be printed which is not cached in the cache memory from the server device. As a result, it is possible to save time and traffic for downloading image data to be printed as well as save the storage area in the cache memory.

In one example shown in Appellant's Figs. 5, 4A and 6, an information processing apparatus (e.g. client terminal 105 of Fig. 5) communicates with a server device (e. g. server device 101 of Fig. 5) and a printer (e.g. printer 113 of Fig. 5). The information processing apparatus designates a plurality of image data to be printed among image data stored in the server device in response to a user operation (e.g. step S407 of Fig. 4A), downloads the designated image data from the server device (e.g. step S413 of

Fig. 6) and caches the downloaded image data in a cache memory included in the information processing apparatus (e.g. step S414 of Fig. 6). The information processing apparatus reads the cached image data from the cache memory and executes the print processing of the read image data (e.g. steps S415 and S416 of Fig. 6). The information processing apparatus deletes from the cache memory the image data which is not successively designated as image data to be printed (e.g. steps S411 and S704 of Fig. 6), and does not delete from the cache memory the image data which is successively designated, when a plurality of image data is newly designated (e.g. step S409 of Fig. 6) and downloads the newly designated image data to be printed which is not cached in the cache memory from the server device (e.g. steps S412, S413 and S414 of Fig. 6).

Independent Claim 14

   As claimed, independent Claim 14 is directed to an information processing (e.g. client terminal 105 of Fig. 5, page 16, line 18) apparatus communicating with a server device (e. g. server device 101 of Fig. 5, page 7, line 14) and a printer (e.g. printer 113 of Fig. 5, page 8, line16). The information processing apparatus comprises: a designation unit (e.g. CPU 206 of Fig. 2, page 10, line 12, executing step S407 of Fig. 4A, page 13, lines 15 to 19) configured to designate a plurality of image data to be printed among image data stored in the server device in response to a user operation; a downloading unit (e.g. CPU 206 of Fig. 2, page 10, line 12, executing step S413 of Fig. 6, page 14 lines 19 to 20) configured to download the designated image data from the server device; a cache memory (e.g. print cache data area 101 of Fig. 5 and CPU 206 of Fig. 2, page 14 lines 21 to 24) configured to cache the downloaded image data; a print processing unit (e.g. CPU 206 of

Fig. 2, page 10, line 12, executing steps S415 and S416 of Fig. 4B, page 15, lines 3 to 10) configured to read the cached image data from the cache memory and execute print processing of the read image data; and a deletion unit (e.g. CPU 206 of Fig. 2, page 10, line 12, executing step S411 of Fig. 4, page 14, lines 3 to 6, and steps S702, S703 and S704 of Fig. 6, page 17, line 18 to page 18, line 18) configured to delete from the cache memory the image data which is not successively designated by said designation unit as image data to be printed, and not delete from the cache memory the image data which is successively designated by said designation unit, when said designation unit newly designates a plurality of image data, wherein said downloading unit (e.g. CPU 206 of Fig. 2, page 10, line 12, executing: steps S701 of Fig. 6, page 17, lines 4 to 6; steps S410 and S411 of Fig. 4, page 17, lines 7 to 14; and steps S702, S412, S413, S414, S415, S416, S417, S703 and S704 of Fig. 6, page 17, line 15 to page 18, line 20) downloads the newly designated image data to be printed which is not cached in the cache memory from the server device.

Independent Claim 16

Claim 16 is directed to an information processing method performed in an information processing apparatus (e.g. client terminal 105 of Fig. 5) communicating with a server device (e. g. server device 101 of Fig. 5) and a printer (e.g. printer 113 of Fig. 5). The method comprises: designating (e.g. step S407 of Fig. 4A, page 13, lines 15 to 19) a plurality of image data to be printed among image data stored in the server device in response to a user operation; downloading (e.g. step S413 of Fig. 6, page 14 lines 19 to 20) the designated image data from the server device; caching (e.g. step S414 of Fig. 6, page 14 lines 21 to 24) the downloaded image data in a cache memory included in the

information processing apparatus; reading (e.g. steps S415 and S416 of Fig. 4B, page 15, lines 3 to 10) the cached image data from the cache memory and executing print processing of the read image data; deleting (e.g. steps S702, S703 and S704 of Fig. 6, page 17, line 18 to page 18, line 18) from the cache memory the image data which is not successively designated as image data to be printed, and not deleting from the cache memory the image data which is successively designated, when a plurality of image data is newly designated; and downloading (e.g. the combined effect of: steps S701 of Fig. 6, page 17, lines 4 to 6; steps S410 and S411 of Fig. 4, page 17, lines 7 to 14; and steps S702, S412, S413, S414, S415, S416, S417, S703 and S704 of Fig. 6, page 17, line 15 to page 18, line 20) the newly designated image data to be printed which is not cached in the cache memory from the server device.

Independent Claim 17

As claimed, independent Claim 17 is directed to a computer-readable non-transitory storage medium storing a computer-executable program (e.g. a control program stored in ROM 207 of Fig. 2) for an information processing method performed in an information processing apparatus (e.g. client terminal 105 of Fig. 5) communicating with a server device (e.g. server device 101 of Fig. 5) and a printer (e.g. printer 113). The computer-executable program comprises: a step of designating (e.g. step S407 of Fig. 4A, page 13, lines 15 to 19) a plurality of image data to be printed among image data stored in the server device in response to a user operation; a step of downloading (e.g. step S413 of Fig. 6, page 14 lines 19 to 20) the designated image data from the server device; caching (e.g. step S414 of Fig. 6, page 14 lines 21 to 24) the downloaded image data in a cache

memory included in the information processing apparatus; a step of reading (e.g. steps S415 and S416 of Fig. 4B, page 15, lines 3 to 10) the cached image data from the cache memory and executing print processing of the read image data; a step of deleting (e.g. steps S702, S703 and S704 of Fig. 6, page 17, line 18 to page 18, line 18) from the cache memory the image data which is not successively designated as image data to be printed, and not deleting from the cache memory the image data which is successively designated, when a plurality of image data is newly designated; and a step of downloading (e.g. the combined effect of: steps S701 of Fig. 6, page 17, lines 4 to 6; steps S410 and S411 of Fig. 4, page 17, lines 7 to 14; and steps S702, S412, S413, S414, S415, S416, S417, S703 and S704 of Fig. 6, page 17, line 15 to page 18, line 20) the newly designated image data to be printed which is not cached in the cache memory from the server device.

(8)   <u>CLAIMS APPENDIX</u>

1. to 13. (Canceled)

14. (Previously Presented) An information processing apparatus communicating with a server device and a printer, the information processing apparatus comprising:

a designation unit configured to designate a plurality of image data to be printed among image data stored in the server device in response to a user operation;

a downloading unit configured to download the designated image data from the server device;

a cache memory configured to cache the downloaded image data;

a print processing unit configured to read the cached image data from the cache memory and execute print processing of the read image data; and

a deletion unit configured to delete from the cache memory the image data which is not successively designated by said designation unit as image data to be printed, and not delete from the cache memory the image data which is successively designated by said designation unit, when said designation unit newly designates a plurality of image data,

wherein said downloading unit downloads the newly designated image data to be printed which is not cached in the cache memory from the server device.

15. (Canceled).

16. (Previously Presented) An information processing method performed in an information processing apparatus communicating with a server device and a printer, the method comprising:

designating a plurality of image data to be printed among image data stored in the server device in response to a user operation;

downloading the designated image data from the server device;

caching the downloaded image data in a cache memory included in the information processing apparatus;

reading the cached image data from the cache memory and executing print processing of the read image data;

deleting from the cache memory the image data which is not successively designated as image data to be printed, and not deleting from the cache memory the image data which is successively designated, when a plurality of image data is newly designated; and

downloading the newly designated image data to be printed which is not cached in the cache memory from the server device.

17. (Previously Presented) A computer-readable non-transitory storage medium storing a computer-executable program for an information processing method performed in an information processing apparatus communicating with a server device and a printer, comprising:

a step of designating a plurality of image data to be printed among image data stored in the server device in response to a user operation;

a step of downloading the designated image data from the server device;

a step of caching the downloaded image data in a cache memory included in the information processing apparatus;

a step of reading the cached image data from the cache memory and executing print processing of the read image data;

a step of deleting from the cache memory the image data which is not successively designated as image data to be printed, and not deleting from the cache memory the image data which is successively designated, when a plurality of image data is newly designated; and

a step of downloading the-newly designated image data to be printed which is not cached in the cache memory from the server device.